

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2880	(438/106).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/02 08:53
S2	1153	(438/123).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/27 10:54
S3	521	(438/112).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/27 10:54
S4	871	(438/124).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/27 10:54
S5	858	(438/126).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/27 10:55
S6	1233	(438/127).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/27 10:55
S7	2391	(438/612).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/27 10:55
S8	1160	(438/613).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/27 10:55

## EAST Search History

S9	350	(438/617).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/27 10:55
S10	239	(438/615).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/27 10:57
S11	1154	(438/710).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/27 10:57
S12	711	438/106,123,112,124,126,127,612, 613,617,615,710,697,787,700,783, 121,107,113,108,118,125,110,614. ccls. and @ad<="19990520" and (chip or die) and encapsul\$6 and (dic\$6 or singulat\$6 or cut\$6)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/01 14:43
S13	178	S12 and ((through-hole) or (through adj hole))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/27 11:38
S18	178	438/106,123,112,124,126,127,612, 613,617,615,710,697,787,700,783, 121,107,113,108,118,125,110,614. ccls. and @ad<="19990520" and (chip or die) and encapsul\$6 and (dic\$6 or singulat\$6 or cut\$6) and ((through-hole) or (through adj hole))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/20 13:51
S19	178	438/106,123,112,124,126,127,612, 613,617,615,710,697,787,700,783, 121,107,113,108,118,125,110,614. ccls. and @ad<="19990520" and (chip or die) and encapsul\$6 and (dic\$6 or singulat\$6 or cut\$6) and ((through-hole) or (through adj hole))	US-PGPUB; USPAT	OR	ON	2005/06/02 15:05

## EAST Search History

S20	177	438/106,123,112,124,126,127,612, 613,617,615,710,697,787,700,783, 121,107,113,108,118,125,110,614. ccls. and @ad<="19990520" and (chip or die) and encapsul\$6 and (dic\$6 or singulat\$6 or cut\$6) and ((through-hole) or (through adj hole))	USPAT	OR	ON	2006/01/28 13:55
S39	1	("5773884").PN.	US-PGPUB; USPAT	OR	OFF	2007/01/26 10:47
S40	45	438/106,123,112,124,126,127,612, 613,617,615,710,697,787,700,783, 121,107,113,108,118,125,110,614. ccls. and @ad<="19990520" and (chip or die) and encapsul\$6 and (dic\$6 or singulat\$6 or cut\$6) and ((through-hole) or (through adj hole)) and saw\$5	US-PGPUB; USPAT	OR	ON	2005/06/02 15:05
S41	2	(("6,172,419") or ("6,093,970")).PN.	US-PGPUB; USPAT	OR	OFF	2005/06/06 07:25
S42	12	(("6756627") or ("20020068423") or ("6437382") or ("5679599") or ("6080618") or ("6001676") or ("6596648") or ("6074918") or ("6285045") or ("6172419") or ("6093970") or ("6395578")).PN.	US-PGPUB; USPAT	OR	OFF	2005/06/03 10:04
S43	24	(("5,394,010") or ("5,438,224") or ("5,491,612") or ("5,594,275") or ("5,625,221") or ("5,677,569") or ("5,744,827") or ("5,760,471") or ("5,801,439") or ("5,835,988") or ("5,866,949") or ("5,883,426") or ("5,986,209") or ("6,001,671") or ("6,072,233") or ("6,097,089") or ("6,180,696") or ("6,313,522") or ("6,326,696") or ("6,395,578") or ("6,396,143") or ("6,404,046") or ("6,459,148") or ("6,577,013")).PN.	US-PGPUB; USPAT	OR	OFF	2005/09/20 14:16
S54	0	(438/106,123,112,124,126,127,612, 613,617,615,710,697,787,700,783, 121,107,113,108,118,125,110,614. ccls. and (chip or die) and encapsul\$6 and (dic\$6 or singulat\$6 or cut\$6) and ((through-hole) or (through adj hole))).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/20 13:51

## EAST Search History

S55	0	(438/106,123,112,124,126,127,612, 613,617,615,710,697,787,700,783, 121,107,113,108,118,125,110,614. ccls. and (chip or die) and encapsul\$6 and (dic\$6 or singulat\$6 or cut\$6) and ((through-hole) or (through adj hole))).clm.	US-PGPUB	OR	ON	2005/09/20 13:51
S56	145	(438/106,123,112,124,126,127,612, 613,617,615,710,697,787,700,783, 121,107,113,108,118,125,110,614. ccls. and (chip or die) and encapsul\$6 and (dic\$6 or singulat\$6 or cut\$6) and ((through-hole) or (through adj hole)))	US-PGPUB	OR	ON	2005/09/20 13:53
S57	178	438/106,123,112,124,126,127,612, 613,617,615,710,697,787,700,783, 121,107,113,108,118,125,110,614. ccls. and @ad<="19990520" and (chip or die) and encapsul\$6 and (dic\$6 or singulat\$6 or cut\$6) and ((through-hole) or (through adj hole)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/20 14:15
S58	222	"438"/\$.ccls. and @ad<="19990520" and (chip or die) and encapsul\$6 and (dic\$6 or singulat\$6 or cut\$6) and ((through-hole) or (through adj hole)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/21 09:11
S59	795	"257"/\$.ccls. and @ad<="19990520" and (chip or die) and encapsul\$6 and (dic\$6 or singulat\$6 or cut\$6) and ((through-hole) or (through adj hole)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/20 13:52
S60	968	semiconductor and @ad<="19990520" and (chip or die) and encapsul\$6 and (dic\$6 or singulat\$6 or cut\$6) and ((through-hole) or (through adj hole)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/28 13:53

## EAST Search History

S61	86	(("4567643") or ("4707724") or ("4,730,232") or ("4,756,080") or ("4,763,188") or ("4,982,265") or ("4,996,587") or ("5,012,323") or ("5,025,306") or ("5,040,052") or ("5,138,438") or ("5,140,404") or ("5,157,480") or ("5,165,067") or ("5,198,888") or ("5,200,362") or ("5,229,647") or ("5,273,938") or ("5,491,061") or ("5,323,060") or ("5,334,875") or ("5,347,429") or ("5,422,435") or ("5,426,563") or ("5,432,729") or ("5,463,253") or ("5,473,196") or ("5,474,958") or ("5,495,394") or ("5,495,398") or ("5,502,289") or ("5,514,907") or ("5,569,625") or ("5,581,498") or ("5,587,341") or ("5,604,376") or ("5,614,766") or ("5,620,928") or ("5,637,536") or ("5,637,912") or ("5,640,047") or ("5,682,062") or ("5,689,135") or ("5,696,031") or ("5,715,147") or ("5,721,452") or ("5,739,581") or ("5,783,870") or ("5,793,108") or ("5,798,014") or ("5,815,372") or ("5,835,355") or ("5,859,471") or ("5,861,666") or ("5,872,025") or ("5,885,849") or ("5,886,412") or ("5,894,108") or ("5,903,052") or ("5,909,633") or ("5,917,242") or ("5,930,599") or ("5,952,611") or ("5,973,403") or ("6,005,778") or ("6,013,948") or ("6,034,423") or ("6,034,427") or ("6,051,886") or ("6,057,598") or ("6,072,243") or ("6,074,898") or ("6,080,264") or ("6,093,970") or ("6,127,833") or ("6,133,637") or ("6,172,419") or ("6,184,463") or ("6,214,641") or ("6,228,676") or ("6,235,554") or ("6,242,279") or ("6,258,632") or ("6,261,869") or ("6,268,568") or ("6,271,057") or ("6,274,404") or ("6,277,672")).PN.	US-PGPUB; USPAT	OR	OFF	2005/09/20 14:52
S73	8	(("6358806") or ("6368931") or ("6492216") or ("6563152") or ("6583015") or ("6621131") or ("6638802") or ("20040007715")).PN.	US-PGPUB; USPAT	OR	OFF	2005/10/05 07:56

## EAST Search History

S83	11	(("6358806") or ("6368931") or ("6492216") or ("6563152") or ("6583015") or ("6621131") or ("6638802") or ("20040007715") or ("6762078") or ("6395578") or ("20040175916")).PN.	US-PGPUB; USPAT	OR	OFF	2005/10/05 07:56
S85	28	(semiconductor and (chip or die) and encapsul\$6 and (dic\$6 or singulat\$6 or cut\$6) and ((through-hole) or (through adj hole))).clm.	US-PGPUB	OR	ON	2007/07/05 09:21
S86	178	438/106,123,112,124,126,127,612, 613,617,615,710,697,787,700,783, 121,107,113,108,118,125,110,614. ccls. and @ad<="19990520" and (chip or die) and encapsul\$6 and (dic\$6 or singulat\$6 or cut\$6) and ((through-hole) or (through adj hole))	USPAT	OR	ON	2006/01/28 13:55
S87	1	("6515356").PN.	US-PGPUB; USPAT	OR	OFF	2007/01/26 12:44
S89	61	(semiconductor and (chip or die) and encapsul\$6 and (dic\$6 or singulat\$6 or cut\$6) and ((through-hole) or (through adj hole))).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/26 12:59
S90	1	("6717248").PN.	US-PGPUB; USPAT	OR	OFF	2007/01/26 12:44

## EAST Search History

S91	126	("3851221"   "4530152"   "4567643"   "4707724"   "4729061"   "4730232"   "4756080"   "4763188"   "4982265"   "4996587"   "5001302"   "5012323"   "5025306"   "5040052"   "5138438"   "5140404"   "5157480"   "5165067"   "5198888"   "5200362"   "5229647"   "5273938"   "5291061"   "5323060"   "5334875"   "5347429"   "5422435"   "5426563"   "5432729"   "5450283"   "5463253"   "5473196"   "5474957"   "5474958"   "5491612"   "5495394"   "5495398"   "5502289"   "5514907"   "5545922"   "5569625"   "5581498"   "5583378"   "5587341"   "5604376"   "5614766"   "5620928"   "5637536"   "5637912"   "5640047"   "5646828"   "5652185"   "5668405"   "5682062"   "5689135"   "5696031"   "5696666"   "5715147"   "5721452"   "5739581"   "5763939"   "5776798"   "5783870"   "5793108"   "5796586"   "5798014"   "5815372"   "5819398"   "5835355"   "5854741"   "5859471"   "5861666"   "5866949"   "5872025"   "5885849"   "5886412"   "5894108"   "5903052"   "5909633"   "5917242"   "5930599"   "5952611"   "5973403"   "5977640"   "5986317"   "6001671"   "6005778"   "6013948"   "6034423"   "6034427"   "6051886"   "6057598"   "6060778"   "6072243"   "6074898"   "6080264"   "6081037"   "6093970"   "6099677"   "6100804"   "6107689"   "6118184"   "6122171"   "6126428"   "6127833"   "6133637"   "6160705"   "6172419"   "6184463"   "6198171"   "6214641"   "6228676"   "6235554"   "6242279"   "6257857"   "6258632"   "6261869"   "6262490"   "6268568"   "6271057"   "6274404"   "6277672"   "6303998"   "6326696"   "6329709").PN. OR ("RE36613"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/26 12:45
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## EAST Search History

S92	36	(semiconductor and (chip or die) and encapsul\$6 and (dic\$6 or singulat\$6 or cut\$6) and ((through-hole) or (through adj hole))).clm.	US-PGPUB	OR	ON	2007/07/05 09:25
S93	1305	257/E21.499.CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/05 09:31
S94	3666	(257/E29.256-E29.261.CCLS.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/05 09:31
S95	22242	(257/E21.499-E21.519.CCLS.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/05 09:33
S96	759	(257/E21.499-E21.519.CCLS.) and through-hole and package	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/05 09:34
S97	395	(257/E21.499-E21.519.CCLS.) and through-hole and package and (encapsula\$4 or resin or underfill) and (solder adj ball)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/05 09:37
S98	85	(257/E21.499-E21.519.CCLS.) and through-hole and package and (encapsula\$4 or resin or underfill) and (solder adj ball) and @ad<="19990907"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/05 09:38

## EAST Search History

S99	85	(257/E21.499-E21.519.CCLS.) and through-hole and package and (encapsula\$4 or resin or underfill) and (solder adj ball) and @ad<="19990907"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/05 09:38
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